

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2004/001118

A. CLASSIFICATION OF SUBJECT MATTER Int. Cl. ⁷ : B82B 3/00, H01L 23/544 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI and keywords: registration, alignment, position, reference; silicon, substrate; SEM, microscope, STM; image, picture, view; nano, atomic; and other similar terms		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2003/019635 A1 (UNISEARCH LIMITED) 6 March 2003 See entire document	
A	WO 2002/019036 A1 (UNISEARCH LIMITED) 7 March 2002 See entire document	
A	Patent Abstracts of Japan JP 2000-150358 A (HITACHI LTD) 30 May 2000 See abstract	
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "B" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual completion of the international search 8 October 2004	Date of mailing of the international search report <div style="text-align: right;">21 OCT 2004</div>	
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929	Authorized officer RAJEEV DESHMUKH Telephone No : (02) 6283 2145	

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>SCHENKEL, T et al., Single Ion Implantation for Solid State Quantum Computer Development [online], Proceedings of the 46th International Conference on Electron, Ion and Photon Beam Technology and Nanofabrication, Anaheim, May 2002, J. Vac. Sci. Technol. B, in press [retrieved on 2004-10-08]. Retrieved from the Internet: <URL: http://ebit.lbl.gov/publications/JoVSaTB-2002-schenkel.pdf></p>	
A, P	<p>WO 2003/081687 A2 (INTERNATIONAL BUSINESS MACHINES CORPORATION) 2 October 2003 See entire document</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2004/001118

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
WO	03019635				
WO	0219036	AU	81594/01	EP	1328847
				US	2004029050
JP	2000150358				
WO	03081687	US	2003178617		
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					